

# WESTON LEADER

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## WIRELESS CARRIES VOICE 2500 MILES

Radio Phone Proven Success by  
U. S. Navy Department.

### FIRST EXPERIMENT SPANS CONTINENT

Conversation is Carried On Between  
Washington, D. C., and Naval  
Station at Mare Island.

Washington, D. C. — Wireless telephone communication across the continent was accomplished for the first time Thursday, when experiments extending over several months culminated in successful transmissions of the human voice by radio from the great naval plant at Arlington, Va., to the station at Mare Island, Cal., 2500 miles away.

The experiments were conducted under direction of Captain Bullard, chief of the navy's radio service, in co-operation with the American Telephone & Telegraph company and the Western Electric company.

Secretary Daniels, in announcing the report, predicted that further development of wireless telephony would make great changes in long distance communication both for military and navy service and commercial use.

Successful operation of a device for automatically transferring to the radio telephone conversations originating on metallic circuits also was accomplished in the tests. President Vail and other officials of the American Telephone & Telegraph company at New York talked easily with the Mare Island station over an ordinary metallic line to Arlington and thence by radio across the continent.

"The fact that the voices can be started on a land wire and automatically transmitted to a voice radio-transmitter," said Secretary Daniels, "holds out hope that persons inland readily could be put in touch by telephone with others at sea through some central transmitting station."

The navy department's formal announcement in part follows:

"Secretary Daniels is pleased to announce the successful outcome of experiments which have been carried on for the last few months by the American Telephone & Telegraph company and Western Electric company in co-operation with the radio stations under the jurisdiction of the Navy department, by which long-distance wireless telephony has been made possible."

San Francisco—Persons in all walks of life had their last chance Thursday to participate in the \$20,000 capital prize in San Francisco lotteries.

There was no formal order sent out by the police. It was tacitly understood by the seven lottery companies, as the result of an "order in council" issued by the Police commission, that "the game" was off—at least for a time.

The police judge fined a negro whom a patrolman arrested with lottery tickets in his possession. The prisoner said he would have to beg or steal now that his occupation of selling lottery tickets was taken from him. It was admitted that the ousting of the lotteries will cut off in fines accruing to the city treasury thousands of dollars a month.

It is also asserted that the death of the game would throw upon the city 4000 indigents, men and women who have been selling tickets. Some were sent to the lottery companies by charitable associations, it was said. One lottery representative said: "I can only say that we will not hold a drawing next week. I can't yet see beyond that."

### Order Is in Difficulties.

San Francisco—The California Grand Lodge of the Ancient Order of United Workmen is experiencing financial difficulties, according to a report made under the direction of State Insurance Commissioner Phelps. The main difficulty seems to be a deficiency in the reserve funds. This was explained by A. H. McKeown, grand receiver, who said more than 64 years old had not paid enough into the fund to carry them after that age. They will now have to make this good, he said, or it will be deducted from their benefits.

### Sailor Rules Schooner.

San Francisco—S. P. Ware, one of the crew of the American schooner Sehome, which arrived here Thursday from Sydney, Australia, was turned over to the police by John Kilts, the ship's captain, who alleged Ware laid out the captain and crew with a belaying pin off Apia, American Samoa, and took command of the vessel for 24 hours. Captain Kilts said he escaped, obtained a revolver and regained his command.

### Hill Lands to Both Sides.

St. Paul—Besides participating in the credit to Great Britain and France, local banking interests controlled by James J. Hill will subscribe to this third German loan being offered in this country.

## CROWN PRINCE HUMBERT



The eleven-year-old Crown Prince Humbert of Italy, while visiting the king at the Isonzo front, made his way along several miles of the Italian trenches and sent the following telegram to his grandmother, Queen Margherita: "I am on Austrian territory. I assisted in an artillery engagement this afternoon."

### "VEST POCKET" WIRELESS SET IS MADE PRACTICAL BY NEW YORKER

Bedford Hills, N. Y. — A compact and efficient wireless receiving and sending apparatus, invented recently by Dr. H. Barringer Cox, of this place, is to be lent to one of the foreign powers for use in the trenches, according to announcement of the inventor.

The device, which may be strapped around the waist and deftly hidden by the folds of a cloak so as to be invisible to an unsuspecting person, is in reality a "vest-pocket" wireless apparatus, as complete as any.

The sending apparatus consists of a box in which are five dry cells and a vibrator. The electric pulsations are started by tapping a telegraph key, and the current, which the doctor says is modified with a hidden transformer of his own invention, sends out its messages in waves, long and short.

The equivalent to a half watt, or one-eighth as much as is required for the ordinary electric light bulb is the amount of electricity necessary. From the box projects a wire.

In warfare use this wire is carried down the leg of the soldier and connected with a metal plate or spur in the shoe. The receiving instrument consists of a drum about which is a coil of wire. On top of this is a fine deflector. It has a pair of ear-pieces such as is worn by telephone operators.

Dr. Cox can send and receive messages by this instrument over a distance of 15 miles. When he desires to receive a message he raises his cane.

### Stock Exchange Clerks Overworked.

New York—So tremendous has been the volume of trading on the stock exchange this week that several prominent brokerage houses announced that they were considering the advisability of asking the board of governors of the exchange to declare Monday a full holiday. In order to give their overworked clerks a rest. Many firms have been obliged to work their forces day and night. In one house two clerks were taken away in an ambulance in an exhausted condition.

The exchange governors, when approached on the subject of closing the exchange, maintained that they had no right to cut off the security business of the country on such short notice. The promise was held out, however, that should the great volume of trading continue next week, the declaration of a special stock exchange holiday would be considered.

### Chicago Under Sunday Lid.

Chicago—Mayor Thompson, in a message to the city council, announced that the owners of all saloons in Chicago hereafter would be forced to obey the state law, which provides that they remain closed on Sunday. The mayor ordered the city collector to notify in writing all persons holding licenses for saloons that they must comply with the requirements of the state law. For many years owners of saloons in Chicago have defied the state law governing their operation on Sunday.

### Allies' Loan Ready to Sign.

New York — The contract for the \$500,000,000 credit loan to Great Britain and France probably will be signed Wednesday by the members of the Anglo-French commission and J. P. Morgan & Co., agents in the United States. Lord Reading is expected to sign for Great Britain and Ernest Maliet probably will sign for the French government. Preparations also will be made to close the underwriters' books, which will probably be done soon.

## OREGON STATE NEWS

### New Coal Era Is Seen.

Eugene—The completion of the Willamette-Pacific railroad from Coos Bay to Eugene will change the character of fuel burned in the Willamette valley, is the opinion of Judge John S. Coke, of Marshfield, who arrived here to preside in Circuit court cases in which Judge G. F. Skipworth is disqualified by reason of previous association or personal interest.

It will be possible to ship coal to Eugene to be sold cheaper than wood when mining development now under way is completed and the new branch line of the Southern Pacific is in operation between the coal fields and this city, he said.

Judge Coke declares that the Southern Pacific and other interests are preparing to open mines on a large scale. At the Beaver Hill mine, owned by the railroad, a depth of 22,000 feet on a 32-degree slope has been reached, he announced.

Judge Coke sees a wonderful future for his home county.

"With only water transportation, excepting the recently constructed timber road, a community of 10,000 people has grown up around Marshfield," he stated. "We have the harbor, timber, coal and dairying, an unusual combination of resources."

"Harbor improvement at Coos Bay, representing the investment of \$700,000, has just been completed. The district raised \$600,000 by bonding, and about \$100,000 was contributed by private subscription. We now have 31 feet of water inside the harbor at ordinary high tide and 36 feet of water on the bar at ordinary high tide."

### Banks Report Gains.

Salem—Rapid growth of business during the past two months and an early return to normal conditions are indicated in the report of Superintendent of Banks Sargent, showing the condition of banks in Oregon at the close of business September 2 last. In the combined statement of the 175 state banks and 88 national banks in the state comparisons with corresponding figures of a year ago point to a general financial improvement.

Although the total demand deposits of all banks in the state, including balances due to other banks, show a decrease of \$6,312,476.65 for the year, there has been a steady increase during the last three months. The statement just issued shows a gain of \$1,813,538.12, since the statement of June 23 last.

Time and savings deposits continue to grow and now reach a grand total of \$37,520,373.17, an increase of \$2,379,672.88 since the statement of September a year ago.

Reductions with the Federal reserve bank amount to \$140,315.20, having increased only \$36,555.57 since the June call. Other reductions and bills payable are unusually high at this time of the year, amounting to \$2,533,480.30. According to Superintendent Sargent, this is because farmers apparently are holding their crops for higher prices.

The national banks of the state now have an investment of \$461,783.34 in the stock of the Federal Reserve bank, and are carrying reserve balances with that institution amounting to \$1,454,509.41.

### Governors Are to Attend.

Salem—Governor Withycombe will be present at the Pacific International Livestock Exposition at the North Portland Union Stockyards, probably several days, but certainly December 9, for that date has been set aside as "Governor's Day," and in addition to the Oregon executive it is expected that the governors of at least three other Western states will be in attendance.

According to advice received by Governor Withycombe from O. M. Plummer, general manager of the exposition, Governor Lister, of Washington, and Governor Alexander, of Idaho, have accepted invitations. It is also expected that Governor Stewart, of Montana, will attend. Governor Kendrick, of Wyoming, also may be on hand, and perhaps Governor Hunt, of Arizona.

### Phone Company Replies.

Salem—Alleging that section 8 of the public utilities act, referring to common-user facilities, procedure and interchange of business, is in violation of the state and Federal constitutions, the Pacific Telephone & Telegraph company has filed with the Public Service commission its answer to the complaint of the Public Service League and others of Portland. With the Home Telephone & Telegraph company, the Pacific is defendant in a complaint to force an interchange of telephone service in Portland.

### Horse Kicks Child In Face.

Fendleton—With her face and skull crushed in by the hoof of a horse she had attempted to pet, little 4-year-old Bessie Madden was brought to St. Anthony's hospital here from Hermiston Wednesday by her parents. An operation was performed and although the child's condition is dangerous hopes are held for her recovery. After trying vainly to have the horse lower its head the child walked around and pulled its tail.

### Commercial Club to Reorganize.

Corvallis—The Corvallis Commercial club has started a campaign to reorganize under the plan adopted by the Portland Chamber of Commerce and Salem Commercial club. H. V. Chase, who reorganized the Portland and Salem clubs, is here to take charge.

## WORLD'S DOINGS OF CURRENT WEEK

Brief Resume of General News  
From All Around the Earth.

### UNIVERSAL HAPPENINGS IN A NUTSHELL

Live News Items of All Nations and  
Pacific Northwest Condensed  
for Our Busy Readers.

The allies are making a fierce fight for the second German line in the West.

The Southern Pacific is sending 400 cars to various lumbering points in Oregon in response to demands.

Another slide has blocked the Panama canal and the opening of the ditch will be delayed until October 10.

Nearly three score persons lost their lives in a hurricane which also caused immense property damage at New Orleans.

William Steele, aged 81, and Mrs. Arietta Golden, aged 78, obtained a marriage license and were married at Salem, Or.

A catch of 1353 walrus is reported by the steamer Corwin. The hides are in great demand in Eastern ammunition factories for furnishing shrapnel cases.

Saskatchewan, Canada, farmers won first and second prizes in competition for the best bushel of wheat at the International Soil Products Exposition at Denver.

A Portland, Oregon, man, in a fit of laughter, dislodged his false teeth, and the artificial masticators lodged in his throat. It required a physician to remove the molar.

Three liners have been added to the fleet of the Togo Kisen Kaisha Steamship company and will be put into the trans-Pacific trade between Pacific Coast points and the Orient.

A heavy hail storm practically ruined the winter apple crop in the vicinity of Roswell, N. M. The damage is estimated at \$200,000. Packing was to have begun soon in the larger orchards.

The inclusion of the Missouri, Kansas & Texas railroad, which recently went into a receivership, makes the mileage of railways in the United States in the hands of receivers greater than ever before.

A semi-official dispatch received at Amsterdam from Berlin says all the subscriptions to the third German war loan, which amounted to 12,000,000,000 marks (\$3,000,000,000), represent new money. No conversions are included.

The London Morning Post's Berlin correspondent says he learns from Munich that T. St. John Gaffney, the American consul general in Munich, after conferring with Sir Roger Casement, has decided to resign and go on a lecture tour in the United States on behalf of Germany.

Coreans in Hawaii are training with wooden guns, in the hope of being able to free Corea from Japan, according to Miss Sadie E. Barrett, a missionary to Hawaii, who addressed the National Convention of the Women's Home Missionary Society of the Methodist Episcopal church in Seattle.

Germany declares she sees the goal of her ambitions.

The British admiralty has loaned a number of submarines to the Russians.

United States sends artillery to Mexican border to repel further raids of bandits.

The Washington government has made a final request that Dr. Dumba be recalled.

By the will of John G. Watmough, of Philadelphia, his hired girl falls heir to \$100,000.

A Walla Walla, Wash., girl takes dose of poison for headache, in dark, which proves fatal.

For the first time in history, Chinese shipbuilders are competitors of the European yards. A steamship company of Drammen has ordered three steamers to be delivered in Copenhagen in 1916 and 1917. The placing of this order in China is due to the unusual pressure in the home yards.

The Munich Post, according to the Overseas News Agency, has received a report from Switzerland that Pope Benedict is preparing a circular letter to the belligerents asking for a general truce on All Souls day. The Pontiff asked that the truce be dedicated to the memory of the soldiers who have perished in the war.

Society women in Paris have enlisted in the war and are driving army ambulances, using their own cars.

The big loan to Britain and France, which was negotiated in this country, has been made, however, the amount is \$500,000,000, instead of one billion, as first stated.

John Muir's famous clock, which, in addition to keeping time, awoke him in the morning by tipping his bed, will become the property of the University of Wisconsin at the close of the Panama-Pacific Exposition. Muir invented the clock many years ago.

## RUSSIAN ARTILLERY RETREATING BEFORE GERMANS



The railways were not equal to the task of carrying all the Russian troops in their retreat before the victorious German armies, and many thousands made their way eastward by road as best they might.

## TURKISH TOWN RUINED BY SHELL FIRE



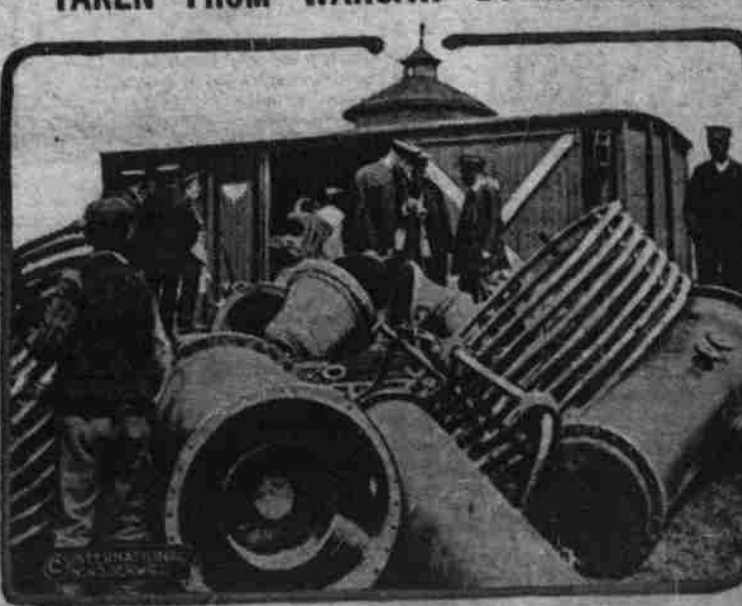
This is a view in the Turkish city of Chanak, which was utterly wrecked by shells from the British artillery.

## MASKED AGAINST POISONOUS GASES



Squad of French artillerymen within firing range of the Germans wearing their antipersonnel gas masks.

## TAKEN FROM WARSAW BY RUSSIANS



Before the Russians abandoned Warsaw they gathered together all the metal they could find, including bells, boilers, lead piping and lead roofing, and carried it with them, for metal suitable for the making of ammunition is becoming increasingly scarce in Europe.

## PERISCOPE OF A SUBMARINE



An unusual photograph showing the interior of a British submarine operating in the war zone. The officer in command is looking through the periscope for possible prey.

## Pot Chrysanthemums.

All of the single and pignon sorts are excellent for pot culture, and quite a few of these do well as single stem sorts, as long as you are not too particular as to the size of flowers. People usually care more for the general effect of a plant in a pot than for the individual flowers. Don't over-pot plants; rather feed a little more and pay the very best attention to the watering, for you want plants with as much foliage down to the pot as it is possible to have. Attend to the staking; so much depends on this if you want a shapely plant. One stake in the center answers nicely for medium sized ones, but even here it is better to have three or four smaller stakes and properly spread the branches. It will add to per cent to the good looks of the plant and that, after all, is what counts.

## Prosperous Island.

The Island of Rombon is, for its size, one of the most prosperous and thrifty of the Philippine Islands. Its population is about 35,000. It has three profitable industries which yield a good annual return to the people after paying for the principal food staple of the people—rice—which is largely imported. Copra, white sugar, and buri hats are the exports, which account for most of the island's prosperity.